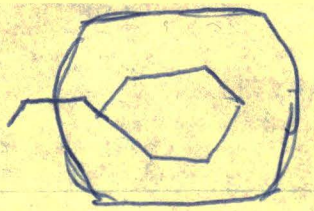
BENDING RASTER
HONEYWELL GRAPH



Vert Ramp into a full wave rect then halfwave rect. OSC 3 or 5 can also be used instead of vert ramp

VR ~~OSC 3 or 5~~ Length ~~of~~ will effect the slope of the wave form or pattern

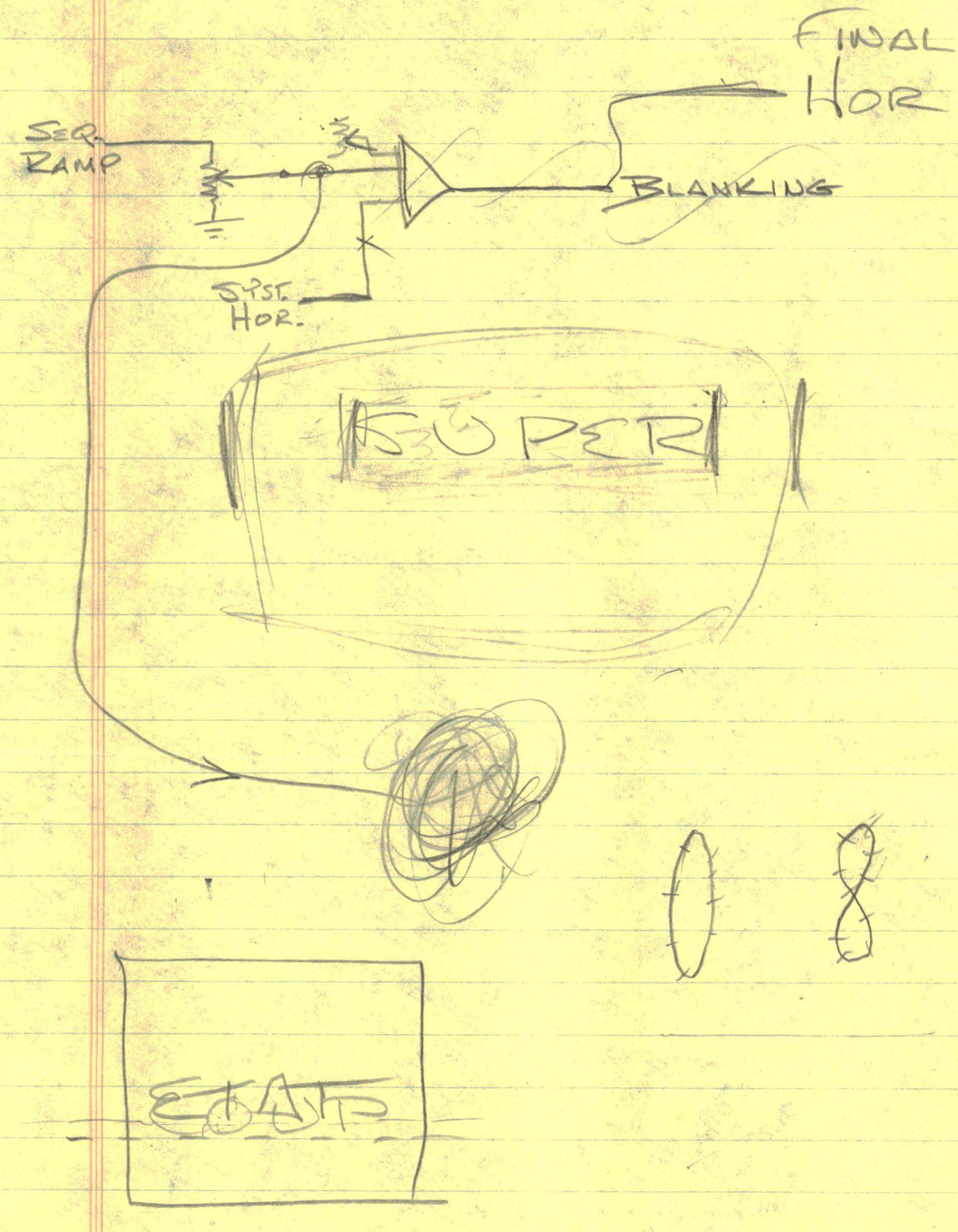
F↓ HORIZ.

Vert Rate oss. 3, 5 or Animation controller osc. ∧

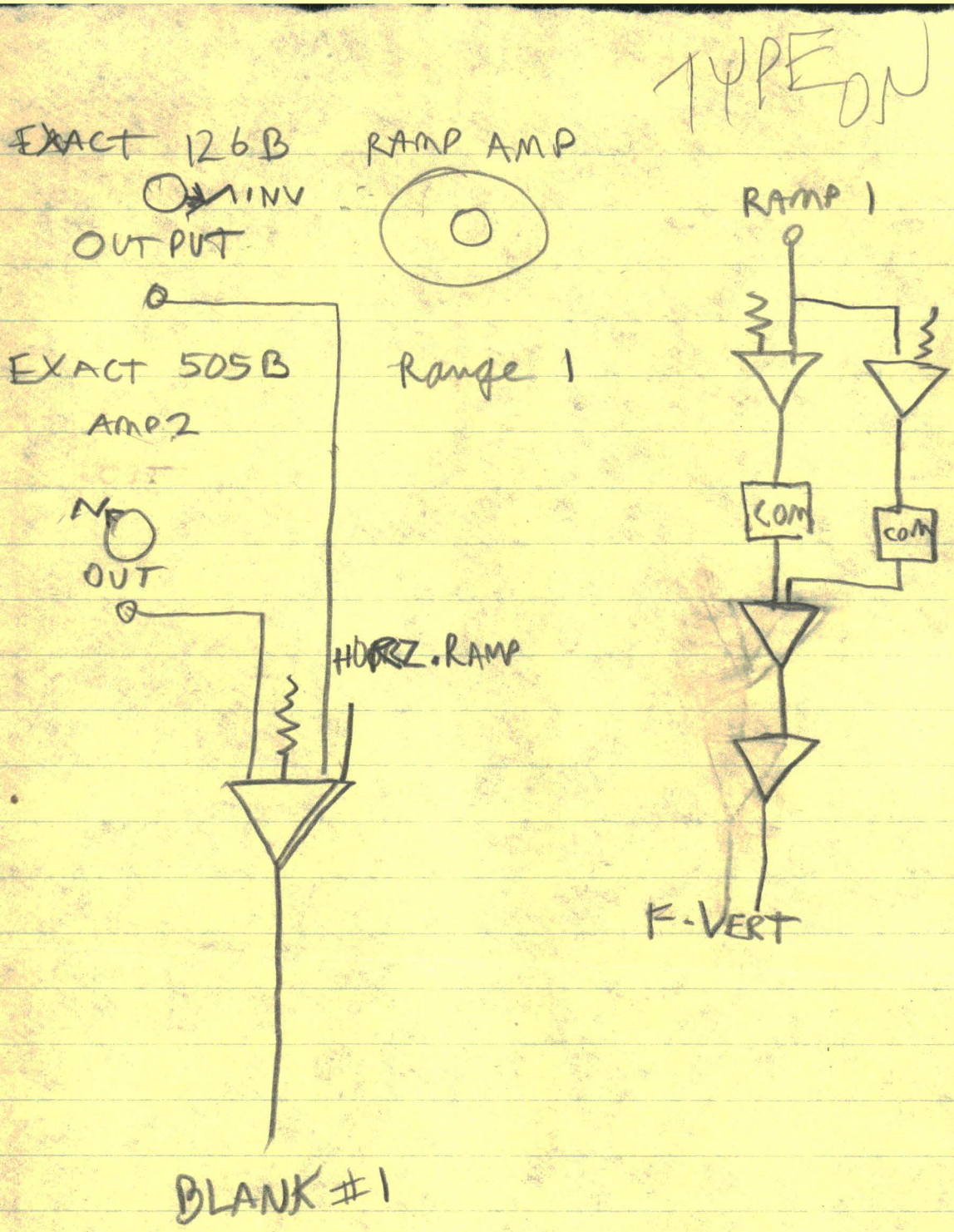
use bais and final horiz. for each section ~~to~~ working against each other to saturate ~~vert~~ horiz to give a waveform like this ⩘

F HORIZ.

~~BIAS TO WIDTH~~


FINAL
HOR
SEQ.
RAMP
BLANKING
SYST.
HOR.

TYPE ON


EXACT 126B
INV
OUTPUT
RAMP AMP
RAMP 1
EXACT 505B
Range 1
AMP2
NO
OUT
HORIZ. RAMP
COM
COM
F-VERT
BLANK #1

EXACT 126 RUN MODE

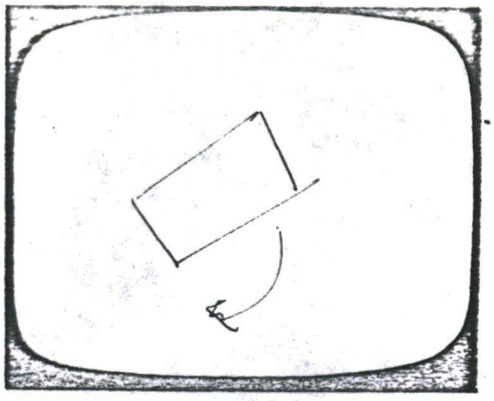
20db AMP R.TIME

SPEED FREQ

AMP. HOWMUCH MOVE

TYPE ON

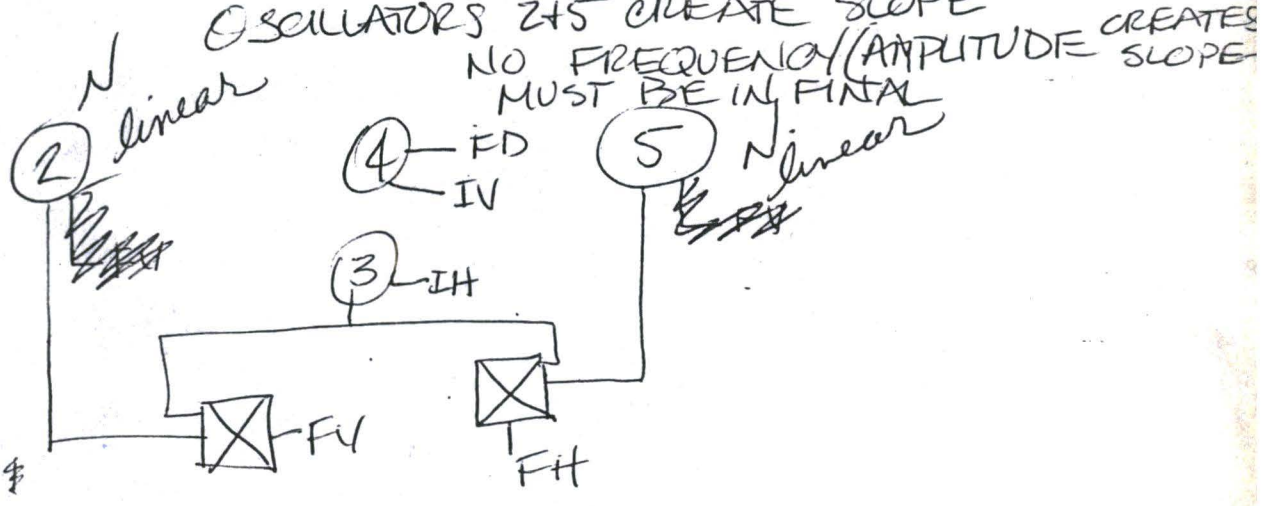
USED FOR CHICE



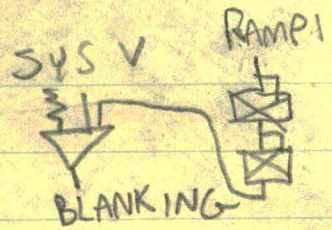
ANALOG ROTATION

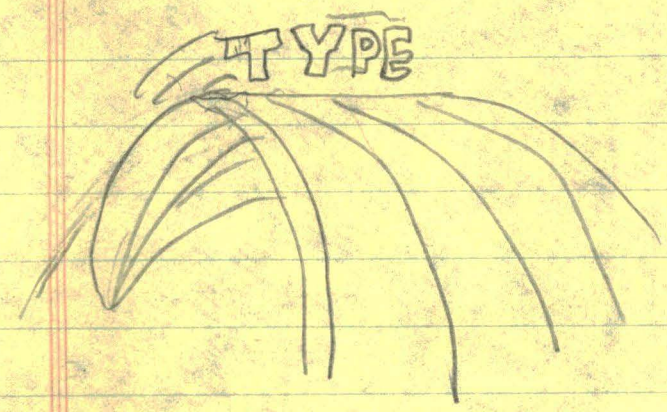
RASTER FULL SIZE

DONE WITH OSCILLATORS



3+4 ARE USED FOR DISPLACEMENT AND 3 IS MULTIPLIED BY 2+5 FOR ROTATION



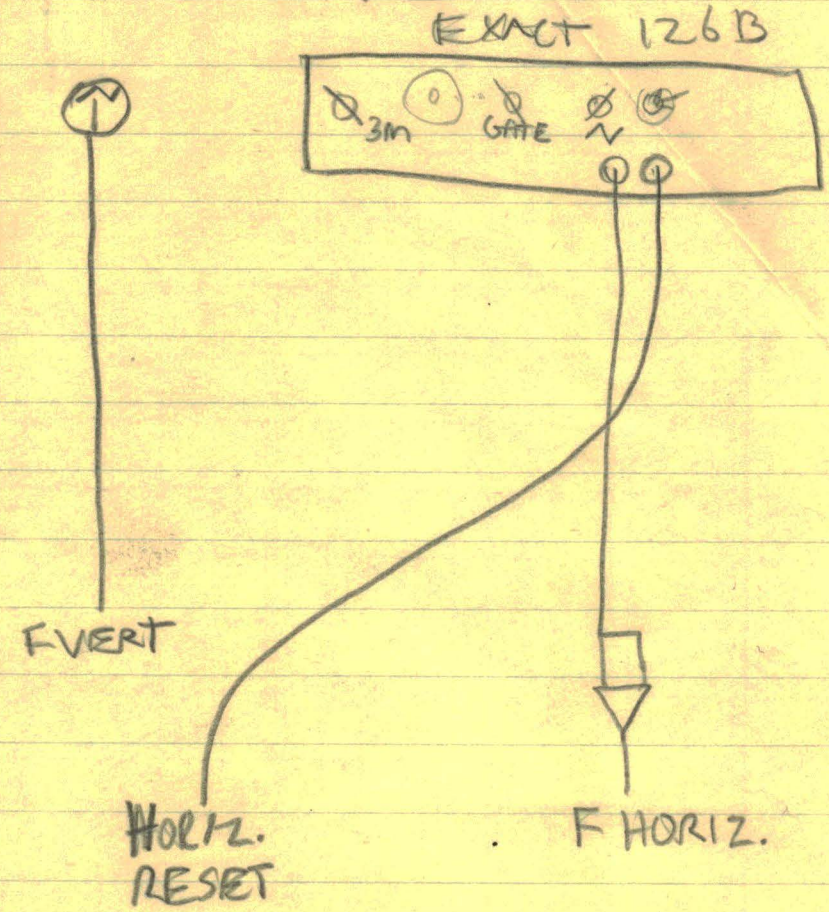


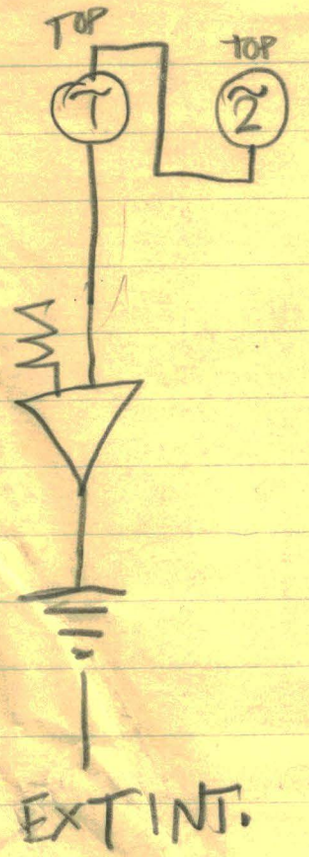
↑TYPE↑
BLANKING

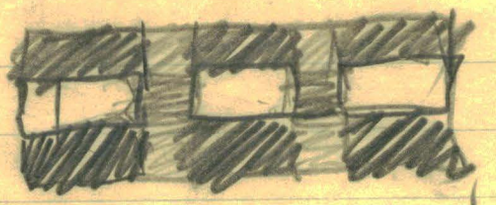
Use the same ramp to drive blanking down with system Vert. If you square or cube the ramp for blanking it will give you a delay before the blanking moves to give the apperance of coming from behind an object.

PIXEL EFFECT

EXACT 126B





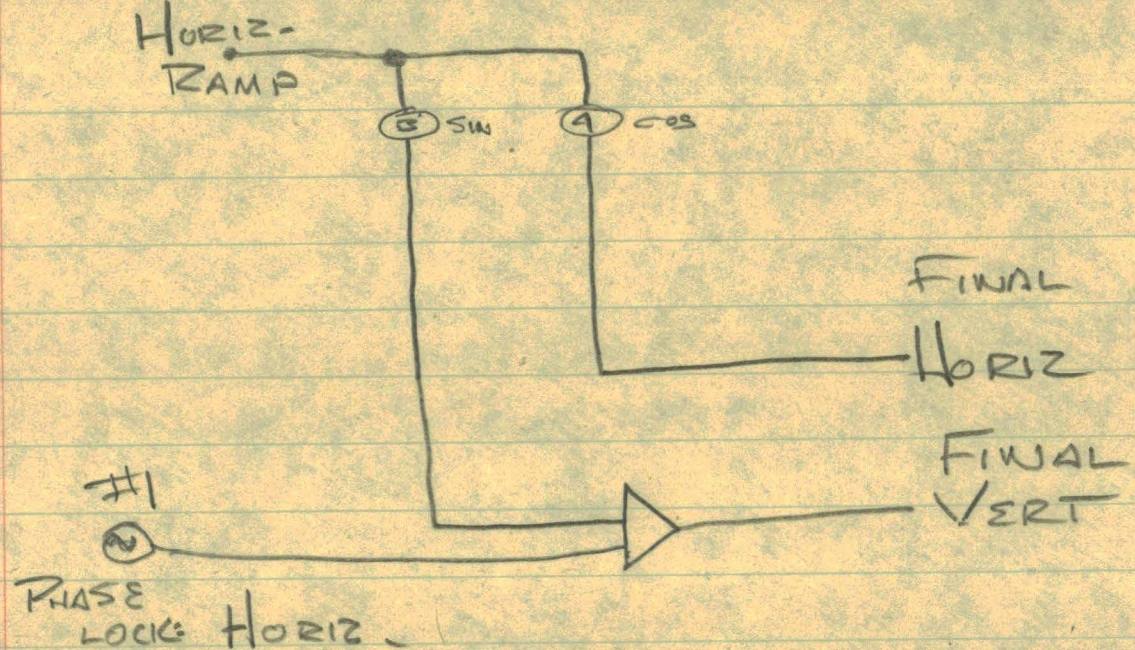


RASTER PATTERN

Raster at 90°

TRY HORIZ. RAMP
+ Vert Ramp

PLAY!!!!


HORIZ-
RAMP
8
SIN
9
COS
FINAL
HORIZ
FINAL
VERT
#1
PHASE
LOCK: HORIZ

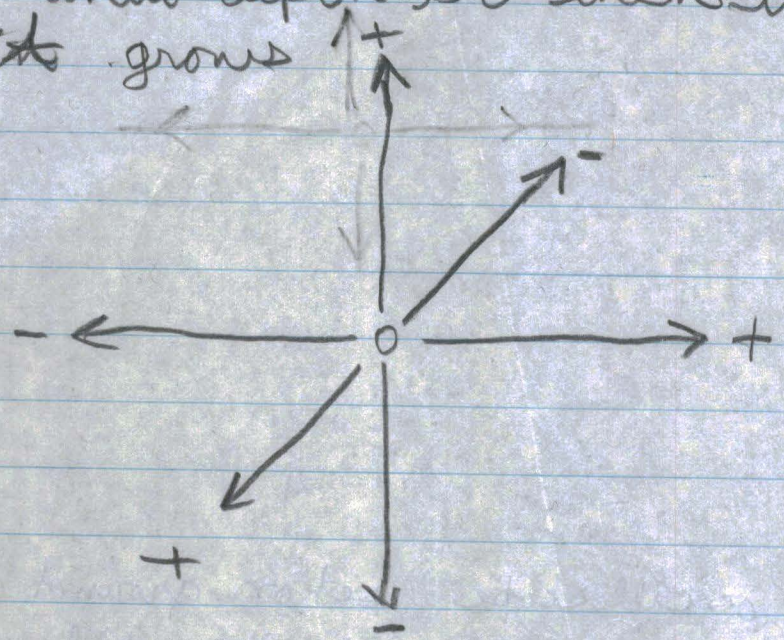
switch to channel 1 and commutators
on system function

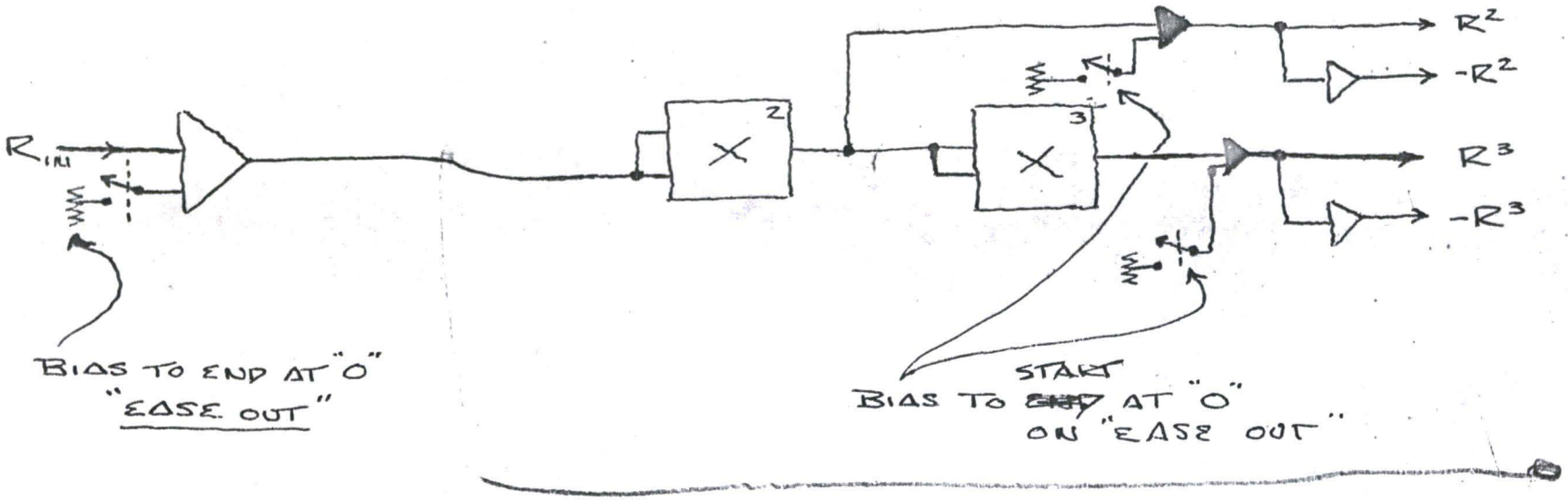
Zero oscilloscope set on ground chn. 1
select channel 1 use position dial to ajust
horizontal line

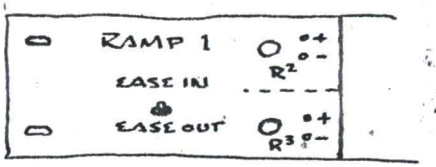
COMMUTATORS DC offset controls

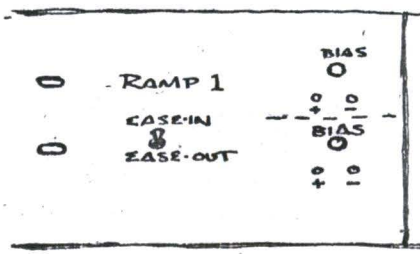
- Left + Right HORIZONTO
- DOWN + UP VERT
- SMALLER + LARGER DEPTH

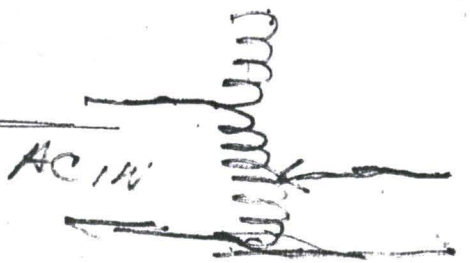
until depth is 0 then inverts as it grows

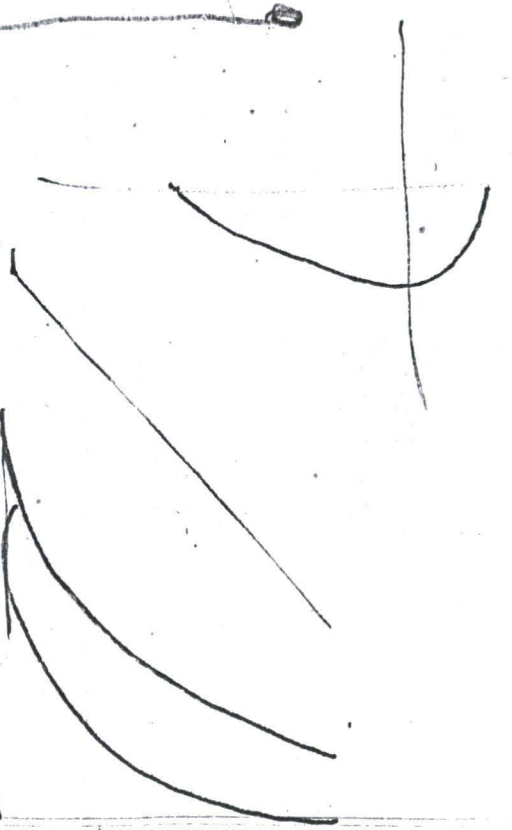



R_{IN}
X 2
X 3
R^2
$-R^2$
R^3
$-R^3$
BIAS TO END AT "0"
"EASE OUT"
START
BIAS TO END AT "0"
ON "EASE OUT"


RAMP 1
EASE IN
EASE OUT
R^2
R^3


RAMP 1
EASE-IN
EASE-OUT
BIAS
BIAS


AC IN



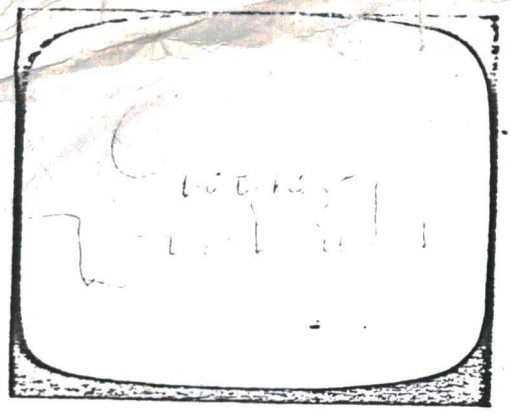
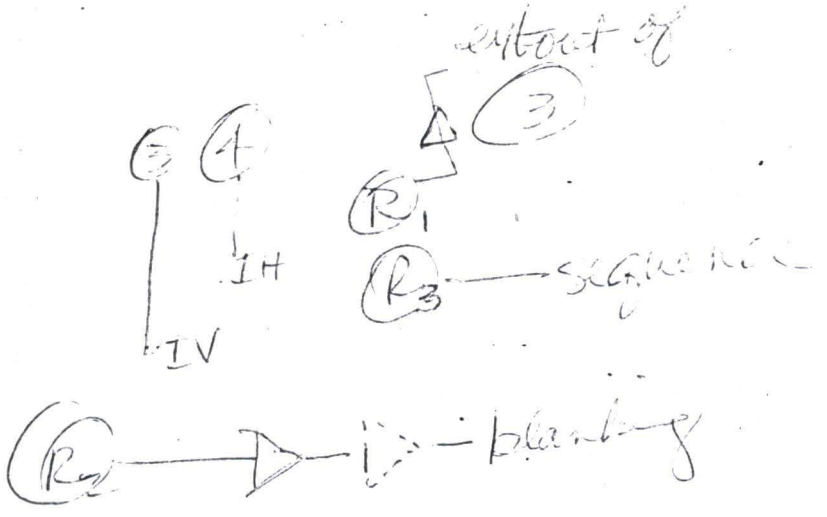


Image Monitoring Comet
Lite weight mode

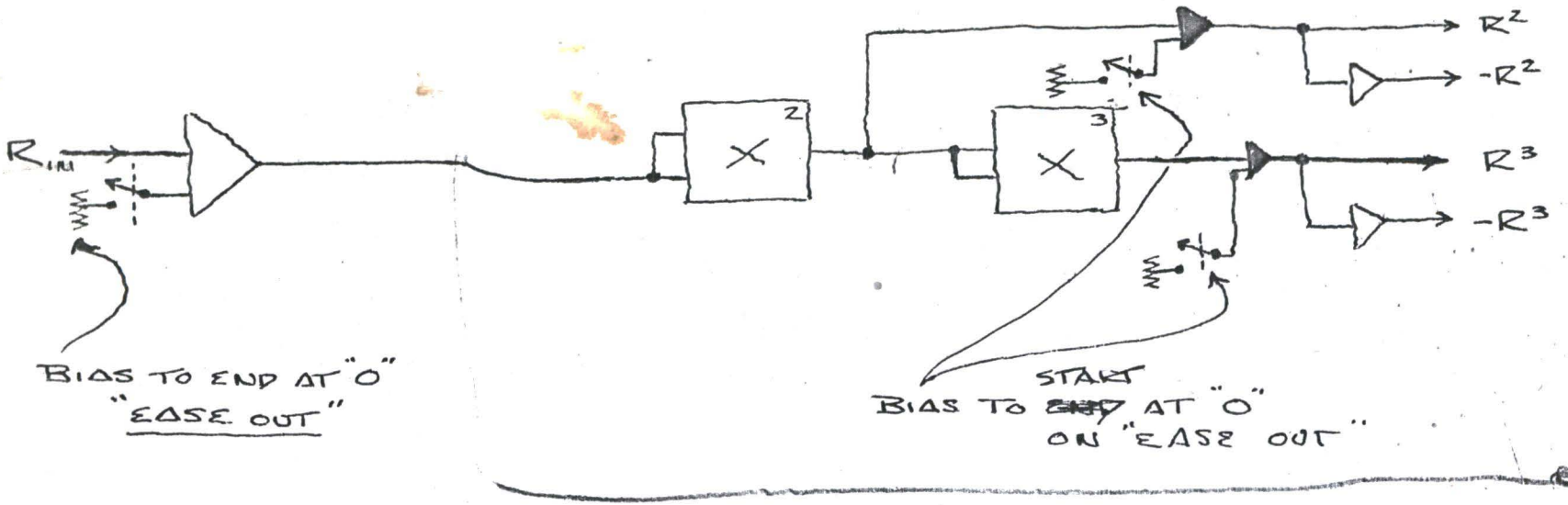
77-15



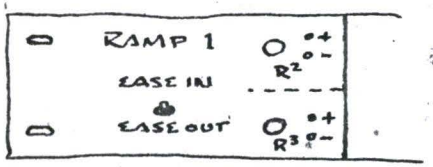
Ramp 1 drives circuit around astable circuit turning it on & off & it drives output blanking on at same rate driving to final value (2/3 around mark)

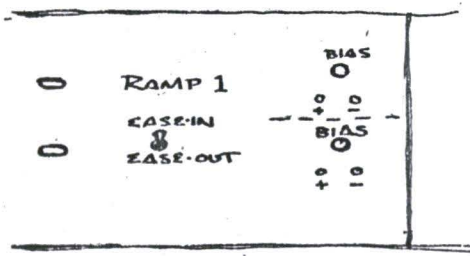
EASE OUT E.O. E.I.

1. BIAS R_1 TO END AT 0
2. SQUARE R_1
3. INVERT & RE BIAS TO START AT 0


R_{IN}
X²
X³
R^2
$-R^2$
R^3
$-R^3$
BIAS TO END AT "0"
"EASE OUT"
START
BIAS TO ~~END~~ AT "0"
ON "EASE OUT"

19 X 3½


RAMP 1
EASE IN
EASE OUT
R²
R³


RAMP 1
EASE-IN
EASE-OUT
BIAS
BIAS

AC IN